

### Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

### Listing of Claims:

Claim 1 (currently amended): An ionic liquid comprising a mixture of one or more triflate or bis(trifluoromethylsulfonyl)imide salt(s) of an ammonium, phosphonium, imidazolium, or pyridinium ion with one or more Lewis acid(s) wherein the total of the molar contents of the Lewis acid(s) in the mixture is between greater than 50% from about 0.01-98%, wherein the Lewis acid is  $\text{AlCl}_3$ ,  $\text{AlBr}_3$ ,  $\text{SnCl}_2$ ,  $\text{FeCl}_3$ , or  $\text{ZnCl}_2$ .

Claim 2 (currently amended): The ionic liquid of claim 1 in which the total of the molar contents of the Lewis acid(s) in the mixture is ~~from about 50-85%~~ between greater than 50% and 85%.

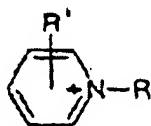
Claim 3 (original): The ionic liquid of claim 2 in which the total of the molar contents of the Lewis acid(s) in the mixture is from about 67-80%.

Claim 4 (cancelled)

Claim 5 (currently amended): The ionic liquid of claim ~~[[4]]~~ 1 wherein the cation of the triflate or bis(trifluoromethylsulfonyl)imide salt is (1) a quaternary ammonium cation having the general formula  $[\text{NR}^1\text{R}^2\text{R}^3\text{R}]^+$ ; (2) a phosphonium cation having the general formula  $[\text{PR}^1\text{R}^2\text{R}^3\text{R}]^+$ ; (3) an imidazolium cation having the general formula of Formula I:



where the imidazole ring of Formula I can be substituted with one or more groups selected from the  $\text{C}_1\text{-C}_8$  alkyl,  $\text{C}_6\text{-C}_{12}\text{-aryl}$ , or  $\text{C}_5\text{-C}_{12}\text{-aryl-C}_1\text{-C}_6$  alkyl groups; (4) pyridinium cations of the general formula of Formula II:



where the pyridine ring of Formula II can be substituted with one or more groups comprising the  $\text{C}_1\text{-C}_8$  alkyl, or  $\text{C}_6\text{-C}_{12}\text{-aryl}$ , or  $\text{C}_5\text{-C}_{12}\text{-aryl-C}_1\text{-C}_6$  alkyl groups;  
and the substituents R, R',  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$  are selected independently of each other from the group comprising hydrogen; linear or branched, saturated or unsaturated, aliphatic or alicyclic alkyl groups

having 1 to 20 carbon atoms; and aryl, aryl-C<sub>1</sub>-C<sub>6</sub> alkyl groups having 6 to 12 carbon atoms in the aryl moiety, which may optionally be substituted with at least one C<sub>1</sub>-C<sub>6</sub> alkyl group.

Claim 6 (cancelled)

Claim 7 (currently amended): The ionic liquid of claim 6 1, wherein the Lewis acid is AlCl<sub>3</sub>.

Claim 8 (currently amended): The ionic liquid of claim 6 1, wherein the Lewis acid is FeCl<sub>3</sub>.

Claim 9 (previously amended): The process for preparing the ionic liquid of claim 1 comprising proportionally adding the Lewis acid(s) to the triflate or bis(trifluoromethylsulfonyl)imide salt(s) while stirring at temperatures from 0 to 300°C, preferably from 20 to 180°C, more preferably from 50 to 150°C, to yield the ionic liquid as a liquid-liquid multiple-phase system.

Claims 10 and 11 (cancelled)

Claim 12 (previously presented): A method of catalyzing a Lewis acid-catalyzed reaction comprising the step of using an ionic liquid of claim 1.

Claim 13 (previously presented): The method of claim 12, wherein said reaction is selected from the group consisting of Friedel-Crafts alkylation reactions, Friedel-Crafts acylation reactions, alkylation reactions, carbonylization reactions, isomerization reactions, and oligomerization reactions.